

METHOD FOR RECOVERING FRAME TIMING OF A MOBILE COMMUNICATION DEVICE PERFORMING A SLEEP MODE

Abstract

Method for recovering frame timing of a mobile communication device performing a sleep mode. The mobile communication device communicates with a base station through a time division multiple access (TDMA) system so that wireless signals are transmitted via frames. The method includes executing a synchronous task for interrupting currently loaded control processes in a real-time operating system and for calculating a predetermined sleep period for the sleep mode, executing the synchronous task for driving the mobile communication device to enter the sleep mode during an actual sleep period, and executing the synchronous task for synchronizing frame timing of the mobile communication with frame timing of the base station according to the actual sleep period.